The MARYLAND FRUIT GROWER

VOL. 9 DECEMBER, 1939 NO. 12

Official Program

Forty-Second Annual Meeting

OF

THE MARYLAND STATE HORTICULTURAL SOCIETY

JANUARY 4 and 5, 1940

Auditorium Y. M. C. A. Building

HAGERSTOWN, MARYLAND

illustrated in color, and containing some fine information that tempted diners to try some sort of apple dish. Appalachian Apples is also "ringing the bell" and carrying forward a real program limited only by a lack of funds. The program is so set up that it can be modified at any time that the present budget, worked out on the basis of subscriptions, shows signs of falling short of the funds expected. It is hoped that the subscription payments will be fully met.

In these days of more taxes, the voluntary system of supporting advertising of our apples seems a little easier than a State tax, although one grower stated that such a tax might make us more careful about grading. The extent of State taxes for advertising farm products is shown in an article in September, 1939, "Minnesota Fruit Grower":

"Michigan recently was added to the growing list of states in which taxes are imposed upon producers for the purpose of advertising certain agricultural products. The states of Michigan and Washington tax apples to provide an advertising fund. Maine taxes potatoes one cent a barrel. New York has a milk tax for the same purpose. Florida has a tax on oranges, grapefruit, and tangerines for advertising. Idaho has a special tax on potatoes, apples, onions, and prunes. California taxes canned peaches, pears, prunes, fortified wine, grape concentrate, and ripe olives for advertising purposes. Several other states have under consideration special tax laws for advertising. The results obtained in the states that have recently adopted such laws will be watched with considerable interest by producers in all sections of the country."

BULLETINS YOU MAY LIKE

Grafting Fruit Trees, Extension Bul. 387. 1938. Cornell University Extension Service, Ithaca, N. Y.

"Top and Double Working Apple Trees." Bulletin 432. 1936. Wisconsin Agr. Exp. Sta., Madison.

"Grafting in the apple orchard." Spec. Bulletin 142. 1937. Michigan Agr. Exp. Sta., East Lansing.

"Root development of young Delicious apple trees as affected by soils and cultural treatments." Bul. 95. 1937. Nebraska Agr. Exp. Sta., Lincoln.

"Growing fruit for home use." Circular 482. 1937. Illinois Agr. Exp. Sta., Urbana.

"The blossom-blight phase of fire blight, and methods of control." Mem. 208, 1937. Cornell University Exp. Sta., Ithaca, N. Y.

"My wife got me a box of cigars for a Christmas present. But I'll get even with her."

"What will you do?"

"I'm going to select her next hat."

The MARYLAND FRUIT GROWER

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HAGERSTOWN, MARYLAND

When Planning Your Planting

Plan to Use Waynesboro Trees, Grown By Virginia's Largest Growers.

Offered in a large assortment of varieties, including the outstanding new ones, as well as the old standbys.

Varieties of APPLE available for Spring '40 Planting:

Albemarle Pippin
Baldwin
Ben Davis
Bonum
Cortland
Delicious
Early Harvest
Fall Pippin
Grimes Golden
Hyslop Crab
Jonathan
Lady
Liveland Raspberry
Lodi
Lowry
Macoun
Maiden Blush
M. B. Twig
Milton
New Red Delicious
New Red Duchess
New Red Jonathan
New Red Rome
New Red Stayman
N. W. Greening
Paragon
Red June
Rome Beauty
Smokehouse
Stayman
Summer Rambo
Summer Yellow Delicious
Sweet Paradise
Transcendent Crab
Turley
Virginia Beauty
Winesap
Winter Banana
Yellow Delicious
Yellow Transparent
York Imperial
YORKING

PEACH

Alton
Belle of Georgia
Brackett
Carman
Champion
Crawford's Early
Crawford's Late
Early Elberta
Elberta
Golden Jubilee
Greensboro
Hale
Hale Haven
Heath Cling
Hiley
Indian
Late Elberta
Mayflower
Mikado
Red Bird
Rochester
Salway
Slappy
South Haven
Valiant
Vedette
Veteran

MISCELLANEOUS FRUITS

Cherry
Pear
Plum
Apricot
Fig
Quince
Grape
Raspberry
Boysenberry
Blackberry
Youngberry
Blueberry

Send us your WANT LIST now for quotations while a more complete assortment of varieties is available, at lower prices than will most likely be possible later in the season.

Waynesboro Nurseries, Inc.

Waynesboro, Virginia

. . . Program . . .

Forty-second Annual Meeting

THE MARYLAND STATE HORTICULTURAL SOCIETY

AUDITORIUM, Y. M. C. A. BUILDING
North Potomac & Church Streets
HAGERSTOWN, MARYLAND

THURSDAY AND FRIDAY, JANUARY 4 and 5, 1940
Meetings Beginning Thursday, January 4, at 10:00 A. M.

GENERAL INFORMATION

All meetings will be held in the Y. M. C. A. Auditorium.
There will be no large commercial exhibits, but representatives of various spray material, fertilizer, machinery and orchard supply firms will have small exhibits at the rear of the meeting room. Various educational exhibits also will be found in the meeting room.
There is plenty of unlimited parking space near the Y. M. C. A.
The time of discussions is not exact. Changes may be made if necessary. Be on time to avoid missing any features.
The usual Dinner will not be held.
Hotels—Alexander (General Headquarters)—$2.50 per day and up
Colonial—$1.50 per day and up
Dagmar— $1.50 per day and up
Hamilton—$1.50 per day and up
Patterson—$1.50 per day and up

THURSDAY MORNING PROGRAM ON PAGE 4

The Society holds an annual winter meeting and a summer field meeting. It issues The Maryland Fruit Grower or a news-letter monthly, and also publishes annual proceedings of the winter meetings. Members receive these publications, and grower-members also will receive The American Fruit Grower Magazine if memberships are paid during January. The Society has no paid officers. Is all this worth a dollar? Why not join now?

INDEX OF ADVERTISERS ON PAGE 20

Save this Program. Make it your Shopping Guide.

A Month or More Before Bloom, Fertilize Your Orchard with

GRANULAR 'AERO' CYANAMID

In reasonably fertile orchard soils, nitrogen is the only plant food which need be applied for the trees, and for the cover crop.

GRANULAR 'AERO' CYANAMID is a particularly desirable source of nitrogen,

because ——

It is rich.
It is non-leaching.
It sweetens the soil.
It is easy to apply.

For further information, and rates of application, write for leaflet F-142.

CYANAMID PRODUCTS

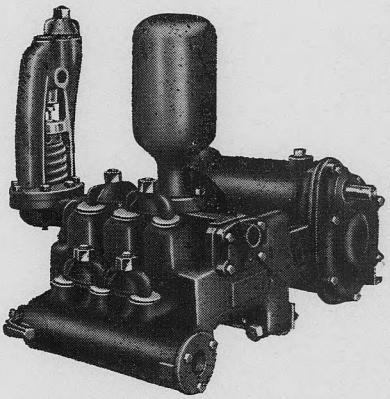
AMERICAN CYANAMID COMPANY
30 ROCKEFELLER PLAZA NEW YORK, N. Y.

Iron Age HIGH PRESSURE ORCHARD SPRAY PUMPS

Will Give You . . .

1. Greatest efficiency (99.5+%)
2. Highest pressure (to 1,000 P. S. I.)
3. Delivered rated capacities.
4. Longer trouble-free service.
5. More Spraying per dollar.

THAN ANY OTHER PUMP MADE



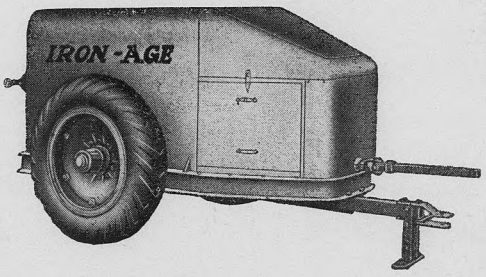
Easiest pump to understand.

Completely equipped with built-in strainer, and with pressure regulator and air chamber.

FIVE SIZES—6 to 10 G. P. M. sizes for up to 600 P. S. I. and 14, 20 and 37 G. P. M. for up to 1,000 lbs. pressure per sq. inch.

All types and styles of sprayers.

IRON AGE
SPRAYERS and
VICTORY PUMPS
for effective Pest Control



Send for New Catalog

A. B. FARQUHAR CO., LTD.

3134 DUKE STREET YORK, PA.

PROGRAM—*Continued*

THURSDAY MORNING, JANUARY 4, 1940

♦

10:00 a. m. Call to Order

Invocation—Rev. Scott R. Wagner, Pastor, Zion Reformed Church, Hagerstown, Maryland.

Greetings—Henry Holzapfel, Jr., Vice-President, Potomac Edison Company, Hagerstown, Maryland.

Report of the Secretary-Treasurer—A. F. Vierheller, College Park, Maryland.

President's Address—G. William Gardenhour, Smithsburg, Maryland.

10:45 a. m. How Serious are Boron and Potash Deficiencies in our Orchards—Charles Dunbar, Pennsylvania Fruit Laboratory, Arendtsville, Pennsylvania.

Discussion—Led by E. C. McFadden, Production Manager, American Fruit Growers, Inc., Hagerstown, Maryland.

11:30 a. m. My Recent Experiences in Fertilizing Orchards in Western Maryland—M. D. Moore, County Agricultural Agent, Hagerstown, Maryland.

Discussion—Led by G. William Gardenhour, Fruit Grower, Smithsburg, Maryland.

Appointment of Committees

THURSDAY AFTERNOON PROGRAM ON PAGE 12

NOTES

GOOD'S KEYSTONE BRAND FISH OIL SPRAY SOAPS

Recommended by various State Experiment Stations, leading orchardists, nurserymen, florists, and gardeners. Use them for both dormant and summer contact sprays; controls Aphids, Thrips, San Jose Scale, Oyster Shell Scale, etc. Also efficient spreading agents, giving added insecticidal value.

No. 1—Hard Soda Fish Oil Soap: For scale and soft-bodied sucking insects on vines, shrubs, palms, and plants.

No. 3—Soft Potash Fish Oil Soap: Wetting and spreading agent for Nicotine Sulphate, Arsenate of Lead, etc. Excellent for making spray-oil and ethylene dichloride emulsions.

No. 9—Potash Rosin Fish Oil Soap: Excellent "sticker" for Bordeaux and other chemical sprays on grapes, berries, tomatoes, cabbage, asparagus, etc. Emulsifying agent for preparation of spray-oil emulsions.

JAMES GOOD, Inc.

Manufacturing Chemists—since 1868

2105 E. Susquehanna Ave. Philadelphia, Pa.

Better look over the Advertisements again.

PROFIT

Ever since **Micronized Spray and Dust Materials* have been on the market, the *trade mark* *MICRONIZED has become a significant by-word in the insecticide and fungicide trade.

Our slogan "Increased efficiency through increased fineness" was adopted after research reports by experimental stations and grower use proved that control of fungus diseases and a superior finish can be achieved with "Micronized" materials.

Grower after grower who used our "MICRONIZED" WETTABLE SULFUR *throughout* the past fungicidal season has told us that he has received a premium price due to the perfect appearanc of his fruit.

In a year of low prices such as have prevailed through the past season of 1939, the *eye appeal* to the buyer and consumer, due to this superior finish, has made the difference between profit and loss.

FOR SUPERIOR FINISH AND PROVEN POSITIVE SCAB CONTROL—USE—

*MICRONIZED WETTABLE SULFUR

Other "Micronized" Products

"Micronized" Dusting Sulfur
"Micronized" Sulfur-Arsenical Dusts
"Micronized" Rotenone Dusts
"Micronized" Pyrethrum Dusts

Manufactured by

MICRONIZER PROCESSING CO., INC.

Moorestown, New Jersey

*Reg. U. S. Pat. Off.

Uncle Natchel says . . .

YOU can improve yield *and* quality of your crops by fertilizing with Natural Chilean Nitrate of Soda.

1. It is guaranteed 16% nitrogen.
2. It also contains in natural blend, small quantities of other plant food "vitamin" elements.

Many of these elements such as iodine, boron, calcium, potash, zinc, copper, iron, manganese and magnesium, are necessary for good health, growth, quality and yield.

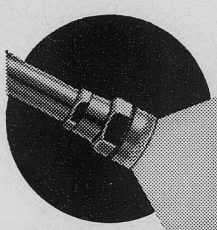
Therefore, Natural Chilean Nitrate is valuable both as a source of nitrate nitrogen, and to furnish or build up a reserve of other plant food elements naturally blended with it.

Take advantage of Chilean Nitrate's quick-acting nitrogen plus its many protective elements. It is well suited to your crops, your soil, your climate. It costs no more. You can get it anywhere.

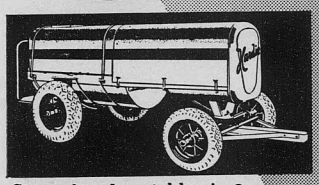
NATURAL CHILEAN NITRATE OF SODA

ON YOUR RADIO

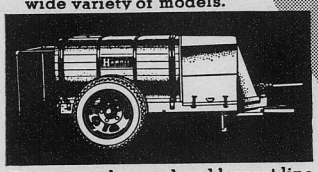
Enjoy the Uncle Natchel program every Saturday night on WSB, WRVA, and WSM, and every Sunday afternoon on WIS, WPTF, WBT, KWKH, WJDX, WMC, WWL, WAGF, WDBO, WSFA, WJRD, WJBY.



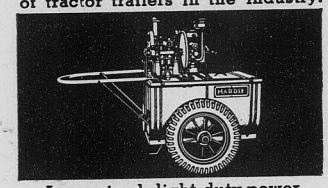
What sprayer is bigger and stronger than any other of equal rating?



Streamlined portables in a wide variety of models.

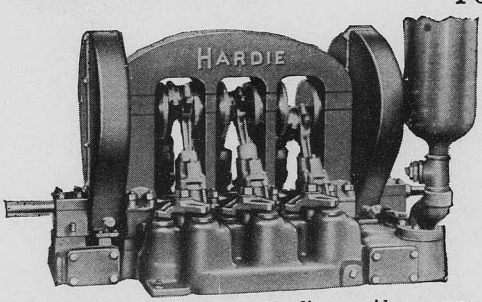


The most advanced and largest line of tractor trailers in the industry.



Low-priced, light-duty power sprayers for small acreages.

You can easily see how much more you get for your money when you buy a Hardie Sprayer. Compare the size of a Hardie pump, plunger tubes, crankshaft, gears, connecting rods, bearings, with any other spray pump of equal rating and you will see why the Hardie delivers its rated gallonage and pressure so easily, economically and dependably. Forty sizes and styles.



For stationary installations Hardie provides pumps and all other necessary equipment, from the smallest to the largest spray pump in the world—the famous Hardie Imperial V-6, above, delivering 80 gallons per minute at 1,000 pounds pressure.

Write for the new 1940 Hardie Catalog.

The Hardie Mfg. Company

Hudson, Mich.,
Portland, Ore.,
Los Angeles, Calif.

HARDIE
Dependable SPRAYERS

Buy it now, if you can. Then you'll have it.

Fruit Trees Need A Balanced Diet

No orchard fertility program can be satisfactory unless it provides an adequate supply and proper balance of the necessary plant-food elements to produce maximum yields of high quality fruit and a good growth of cover crops.

Yield and quality of fruit are influenced most by the ratio of nitrogen to potash. Potash gives tone and vigor to the trees and increases their resistance to diseases. It tends to counteract the ill effect of too much nitrogen and improves the quality of the fruit.

While nitrogen is necessary, its exclusive use depletes the reserves of other essential plant-food elements, phosphorus and potash. Reduced yields, poor wood growth, poor keeping and shipping quality, cracking of fruit, water core, fruit pit, cork spot, drought spot, die-back, and top and root injury are believed to be definitely associated with unbalanced nutrition.

To maintain soil conditions most favorable for fruit trees and cover crops under certain conditions requires liberal use of complete fertilizers. Consult your county agent or experiment station regarding the best mixture for your orchard. Write us for literature on recommended orchard fertilization practices.

AMERICAN POTASH INSTITUTE, INC.

Investment Building **Washington, D. C.**

Opportunity Knocks!

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We grasp it to wish you joy and peace in the Holiday Season and happiness in the New Year.

We hope the opportunity to use the best in packages will keep us busy opening the door of Marvil quality and service for you in 1940.

"Marvil Products Protect Contents"

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MARVIL PACKAGE CO.

LAUREL, DELAWARE

STAUFFER SULPHURS

ASSURE SAFE, SURE CONTROL AT THE LOWEST COST. THAT'S WHY MORE STAUFFER SULPHUR IS USED THAN ANY OTHER.

The following are some of **STAUFFER'S** well-known products:

FOR SPRAYING:

To Control—

SCAB ON APPLES

"Magnetic-70" Concentrated Sulphur Paste.
A newly developed but proven Sulphur Spray—Particle size 5 microns and smaller—Excellent coverage—Extremely adhesive—Especially recommended for the earlier applications.

"Magnetic-Spray" Wettable Sulphur.
A dry form—Goes into suspension immediately when added to water—Particle size; by weight 95% smaller than 27 microns, 75% smaller than 15 microns, 50% smaller than 10 microns—Excellent coverage.

To Control—

BROWN ROT ON PEACHES

"Crown" Brand Wettable Sulphur.
A dry form—Goes into suspension immediately—Particle size; by weight 80% smaller than 27 microns, 60% smaller than 15 microns, 35% smaller than 10 microns—Excellent coverage.

FOR DUSTING:

"Electric" Super-Adhesive Dusting Sulphur.
"Swan" Superfine Ventilated Dusting Sulphur.
"Perfection" Superfine Dusting Sulphur.
"Owl" Superfine Dusting Sulphur.
"Magnetic" Humidust (Especially recommended for wet weather)

A SAFENER for Lime Sulphur—Lead Arsenate combination spray—

"Magnetic" Catalytic Sulphur.
When added to above spray combination, reduces arsenical injury—Speeds up the normal Lime Sulphur set—Acts as spreader and sticker—Replaces Hydrated Lime—Increases Sulphur residue.

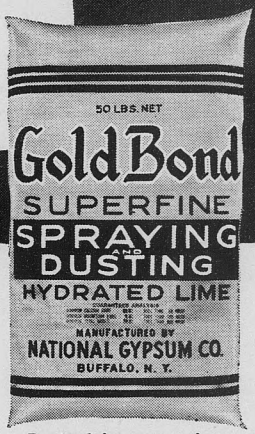
For further details and literature, see your dealers or write:

STAUFFER CHEMICAL COMPANY, Incorporated

420 LEXINGTON AVENUE NEW YORK, NEW YORK

Plant: Bayonne, New Jersey

SOMETHING TO REMEMBER . . .



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Gold Bond

SUPERFINE SPRAYING AND DUSTING LIME

SUPERFINE and air-floated. Goes into solution quickly . . . stays in suspension longer. Helps keep your spraying solutions uniform in consistency from start to finish.

There are no coarse particles in Gold Bond Spraying and Dusting Hydrate—nothing to prevent proper diffusion of the spray or clog and cut the nozzles. It's safe!

You'll find this high calcium lime unexcelled for dusting, too. Being extremely fine, it disperses rapidly and forms a uniform, protective film over leaves and fruit.

For better results every time—ask your dealer for Gold Bond Spraying and Dusting Hydrate.

Manufactured and Guaranteed by

NATIONAL GYPSUM CO., BUFFALO, N. Y.
PLANTS: ORANDA, VA., AND YORK, PA.

PROGRAM—*Continued*

THURSDAY AFTERNOON, JANUARY 4, 1940

♦

1:30 p. m. A New Method of Controlling Fruit Drop by Sprays with Growth-Substances—F. E. Gardner, Principal Horticulturist, U. S. Horticultural Field Station, Beltsville, Maryland.

Discussion—Led by Lloyd Balderston, Fruit Grower, Colora, Maryland.

2:15 p. m. Some Results in Thinning of Peaches before June-Drop—F. P. Cullinan, Principal Horticulturist, U. S. Horticultural Field Station, Beltsville, Maryland.

Discussion—Led by Dwight T. Walker, Fruit Grower, Mount Airy, Maryland.

3:15 p. m. New Developments in Mouse Control in the Orchard—H. J. Spencer, District Investigator, U. S. Bureau of Biological Survey, Winchester, Virginia. (Illustrated by sound movie.)

Discussion—Led by A. F. Vierheller, Extension Horticulturist, University of Maryland, College Park, Maryland.

Explanation of Educational Exhibits.

IMPORTANT—The members of the Executive Committee, Officers and Appointed Committees will meet at a dinner, Hotel Alexander, this evening at 6:00 p. m.

FRIDAY MORNING PROGRAM ON PAGE 18

NOTES

OFFICERS—1939

President—G. WILLIAM GARDENHOUR, Smithsburg
1st Vice-President—JOSEPH G. HARRISON, Berlin
2nd Vice-President—A. H. NOFSINGER, Cockeysville
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Always At Your Service

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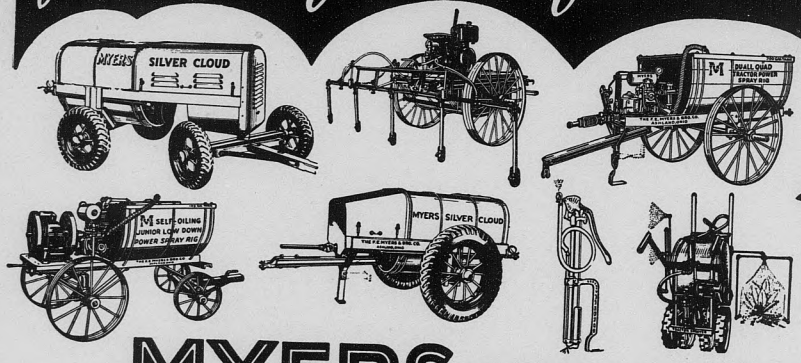
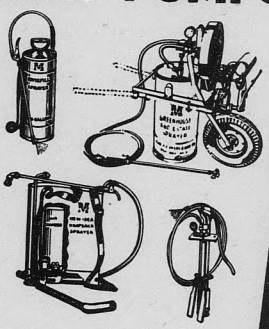
STRONG ARMAMENTS... *for Profit Defense!*



MYERS SPRAY PUMPS



THERE is little profit in planting and cultivating if destructive bugs, blights, insects and fungus pests are allowed to work unhindered. Against many of these, spraying has proved to be the most effective method of protection. MYERS Spray Pumps offer you the strongest armament for this form of defense. As the science of spraying has progressed, MYERS spray equipment has progressed with it. Three generations of American growers have praised its quality, reliability and economy. No matter what your spraying problem. MYERS can furnish dependable equipment to meet it.

The MYERS line includes sprayers of every wanted type and capacity for work in orchards, groves, vineyards, row crops, fields, gardens and greenhouses. Hose sprayers, boom sprayers and combination sprayers . . . engine or tractor powered, traction driven and hand operated sprayers . . . wheeled sprayers, stationary sprayers and portable sprayers . . . tank sprayers, barrel sprayers, bucket sprayers, knapsack and compressed air sprayers. There's a MYERS dealer somewhere near you. Mail the coupon today for the free MYERS Spray Catalog.

THE F. E. MYERS & BRO. CO., ASHLAND, OHIO
"Pump Builders Since 1870"

THE F. E. MYERS & BRO. CO., 14 Fourth Street, Ashland, Ohio

Take Off Your Hat To The MYERS
PUMPS — WATER SYSTEMS — HAY TOOLS — DOOR HANGERS

Send me the name of your nearest dealer and free information on items checked:

Power Pumps . . . ☐	Pump Jacks . . . . ☐	Power Sprayers . . . ☐
Hand Pumps . . . . ☐	Sump Pumps . . . . ☐	Hand Sprayers . . . ☐
Water Systems . . . ☐	Centrifugal Pumps . . ☐	Hay Unloading Tools . ☐
		Door Hangers . . . ☐

*Name*_____ *Address*_____

GS 9-1

Buy it now, if you can. Then you'll have it.

Fruit Trees . . .

I offer the planter, apple, peach, pear, cherry, plum, and apricot trees, in all the leading varieties, including some of the newer tested varieties, that have been examined for trueness to name, as they stand in the nursery rows, by *expert* authorities on identification by leaf characters, etc., at very reasonable prices. Write for catalogue and prices.

ADAMS COUNTY NURSERY AND FRUIT FARMS

H. G. BAUGHER, Prop. ASPERS, Pa.

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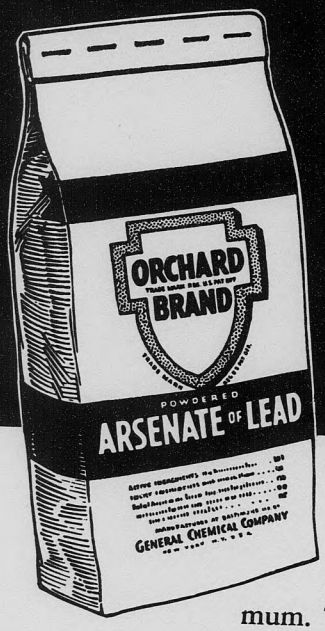

INCREASES "PLUS" VALUE OF ORCHARD* BRAND ARSENATE OF LEAD

Stings and entries are cut down to a new minimum. THE REASON? . . . You get away from a lot of bare spots in the spray cover because Orchard* Brand Arsenate of Lead's improved flake-like particles tend to overlap, forming a more uniform, more closely knit cover on the fruit.

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Sales Offices: Atlanta • Baltimore • Boston • Buffalo • Charlotte (N. C.) • Chicago Cleveland • Denver • Houston • Kansas City • Los Angeles • Milwaukee Minneapolis • Montezuma (Ga.) • Philadelphia • Pittsburgh • Providence (R. I.) San Francisco • St. Louis • Utica (N. Y.) • Wenatchee & Yakima (Wash.) In Canada: The Nichols Chemical Co., Ltd. • Montreal • Toronto • Vancouver

*Reg. U. S. Pat. Off.

Buy ORCHARD BRAND ARSENATE OF LEAD

TO THE

APPLE GROWERS OF MARYLAND

AND THE MEMBERS OF

THE MARYLAND
STATE HORTICULTURAL SOCIETY

we extend our best wishes

♦

It has been a pleasure to serve you our

SUNSET OILED APPLE WRAPS

and

SUNSET SHREDDED OILED PAPER

♦ ♦

Fred C. Strype, Inc.

NEW YORK, N. Y.

PROGRAM—*Continued*

FRIDAY MORNING, JANUARY 5, 1940

♦

9:30 a. m. Should We Use Di-Nitro or Tar Oil for Dormant Spray—W. S. Hough, Entomologist, Winchester Research Laboratory, Winchester, Virginia.

Discussion—Led by John P. Caspar, Fruit Grower, Hancock, Maryland.

10:15 a. m. Some Important New Developments in Japanese Beetle Control—George S. Langford, Entomologist, University of Maryland, College Park, Maryland.

10:30 a. m. Is Winter Carry-Over of Codling Moth an Important Factor in Control—E. N. Cory, State Entomologist, University of Maryland, College Park, Maryland.

Discussion—Led by J. A. Cohill, Fruit Grower, Hancock, Maryland.

11:15 a. m. Building and Operating a Cold Storage Plant at the Orchard—F. H. Wissler, Fruit Grower, Mt. Jackson, Virginia.

Discussion—Led by R. S. Dillon, Jr., Fruit Grower, Hancock, Maryland.

FRIDAY AFTERNOON PROGRAM ON PAGE 24

ORCHARD SUPPLIES

"Caterpillar" Tractors

"Bean" Orchard Sprayers

"Grabill" Graders & Brushes

"Cutler" Fruit Washers & Graders

"Lupton" Fruit Washers

"Pease" Ladders

LUPTON ORCHARD SERVICE CO.

Winchester, Virginia Phone 1100

PLANT THIS FALL

WHILE TREES ARE CHEAP!

We have never offered them cheaper, and our trees this year are exceptionally fine.

We have one of the largest and finest assortments of varieties and of Red Apple Sports in the East.

Write for Variety Information

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SELBYVILLE, DELAWARE

(Over 1,000 Acres)

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Waynesboro, Penna.

S. H. Dorney,
3952 Dolfield Avenue,
Baltimore, Maryland

Harry T. Miller,
Inwood, W. Virginia

S. F. Ellington,
Waynesboro, Virginia

Walter M. Sult,
Berwick, Penna.

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TO SERVE PROGRESSIVE FRUIT GROWERS BETTER

We have plants located at Hagerstown, Md., Gettysburg, Milton, Butler and Everett, Pa., Harrisonburg, Crimora, Elkton and Winchester, Va. This enables us to give you prompt and efficient service.

SPRAYS AND DUSTS FOR EVERY PURPOSE

Tar Oil Emulsions, Dowspray Dormant, 83% Oil Emulsion, Nitrocide, Lime Sulphur Solution, etc., etc.

FAMOUS FRUIT FOOD
10 - 6 - 4
AMERICA'S BEST FERTILIZER FOR FRUIT

Contains the necessary plant food elements in addition to Nitrogen, Phosphorus and Potash required for proper growth and economical production of big yields.

See your local Farmrite dealer. Or write us about your fertilizer or insecticide requirements. No obligation.

CENTRAL CHEMICAL CORPORATION
General Office **Hagerstown, Md.**

Remember our Advertisers when you buy.

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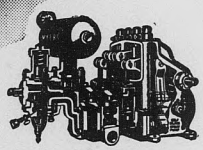
MYERS Silver Cloud POWER SPRAYERS

SMOOTHER FASTER... and MORE RELIABLE!

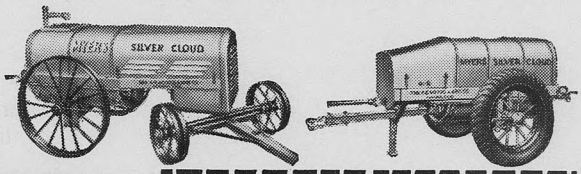


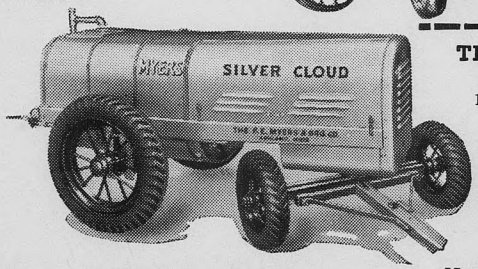
OUTSIDE smoothness is today practically taken for granted in the design of an up-to-date orchard sprayer. But the smoothness which makes MYERS *Silver Cloud* Sprayers so preeminent is hidden deep in the *actual working parts.* Turn back the hood of a *Silver Cloud* and let your MYERS dealer explain the improved construction and functioning of such key parts as the Power Unit, Transmission, Pump, Pressure Control Valve, Tank, Agitator, Wheels, Axles and Frame. You will then understand why you get faster and better performance — with greater economy and reliability — in a MYERS *Silver Cloud.*

MYERS *Silver Cloud* Power Sprayers are available in various sizes and capacities for operation by gasoline engine or power take-off from tractor. Can be furnished with either steel or rubber tired wheels. Frames are all steel, arc welded. All models come completely equipped with two leads of hose, guns and fittings.

MYERS *Self-Oiling* Power Spray Pumps are the key to the remarkable satisfaction given by MYERS power spray equipment. Justly noted for their perfect lubrication and proven service life. All working parts run in oil and are fully enclosed, yet readily accessible for control and adjustment. VALVES stainless steel. CYLINDERS porcelain lined. PLUNGERS improved double cup expansion type with adjustable take-up. Duplex, Triplex and Quadruplex sizes according to capacities needed. Pressures up to 800 pounds if desired.

The MYERS line includes sprayers of every wanted type and capacity for work in orchards, groves, vineyards, row crops, fields, gardens and greenhouses. Hose sprayers, boom sprayers, combination sprayers... engine powered, tractor powered, traction driven and hand operated sprayers... wheeled sprayers, stationary sprayers and portable sprayers... tank sprayers, barrel sprayers, bucket sprayers, knapsack and compressed air sprayers. There's a MYERS dealer near you, ready to supply your needs and assure prompt service. MYERS Spray Catalog is free on request. Check the convenient coupon below and mail it TODAY.





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"Pump Builders Since 1870"
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Send free information on items marked and name of your nearest dealer.

Power Sprayers	☐	Pump Jacks	☐
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Power Pumps	☐	Sump Pumps	☐
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Water Systems	☐	Door Hangers	☐

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MYERS Self-Oiling POWER SPRAYERS

Take Off Your Hat to the MYERS

WARNER HYDRATED LIMES

For Dusting and Spraying

"LIMOID" SUPERFINE HYDRATE

a pure dolomitic lime for spraying use.★

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"BELL-MINE" HYDRATED LIME

a pure high-calcium product for Bordeaux Mixtures.

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"BELL-MINE" PULVERIZED LIME

for use in formulas where "Quick-lime" is specified.

★ Several State College authorities now recommend dolomitic (high magnesium) lime sprays —Warner's "Limoid Superfine Hydrate" has been developed to supply this demand . . . .

Warner Company

WILMINGTON, DELAWARE
200 S. MARKET STREET

PHILADELPHIA, PA.
219 N. BROAD STREET

Buy yourself the

MOST RELIABLE SPRAYER *ever built*

—with the simplest pump of all: *No Wear* on the cylinder walls; *No Expense* for crankshafts on connecting rods, wrist pins or plunger cups.

The "Friend's" valves are the easiest to clean. Its packing is the easiest to keep tight. It has the fewest places to oil and grease, and—

Only 1/3 as Many Moving Parts

No wonder so many owners tell you: "The 'Friend' is in a class by itself for Reliability and Low Upkeep Cost."

BEFORE YOU INVEST—INVESTIGATE! Talk to growers who have "owned them all," and make your own comparisons.

Built in all sizes—all chassis styles. Pressures up to 1,000 pound.

"FRIEND" MANUFACTURING CO., Gasport, N. Y.

"FRIEND"

SPRAYERS
PUMPS — DUSTERS
FRUIT SIZERS

To Meet the 1940 Requirements for

A Sulphur Spray

OF PROVEN FUNGICIDAL QUALITY, IN GOOD PHYSICAL CONDITION

We announce the installation of additional and improved equipment which will produce a product guaranteed to please the most exacting customer.

PRE-CREAMED FERROX TYPE FLOTATION SULPHUR

Camden Coke Plant

of

Public Service Electric & Gas Co.

Front and Chestnut St.
CAMDEN, N. J.

PROGRAM—*Continued*

FRIDAY AFTERNOON, JANUARY 5, 1940

♦

1:30 p. m. National Agricultural Programs Affecting the Fruit Grower—T. B. Symons, Director, Extension Service, University of Maryland, College Park, Maryland.

2:00 p. m. Is Pollination Still a Problem in Our Apple Orchards—H. F. Hershey, Fruit Grower, Hamburg, Pennsylvania.

Discussion—Led by B. Carlisle Barnes, Fruit Grower, La Plata, Maryland.

Committee Reports.

2:45 p. m. New Wrinkles in Packing Apples and How to Reduce Bruising of Fruit—Hugh Prettyman, Manager, Inwood Packing House, Inwood, West Virginia.

Discussion—Led by W. C. Beaven, Supervising Inspector, Maryland State Department of Markets, College Park, Maryland.

3:45 p. m. Late Developments in Apple Juice Manufacture. Will it Offer a Big Outlet for our Apples—A. Lee Schrader, Head, Department of Horticulture, University of Maryland, College Park, Maryland.

Discussion—Led by Eugene W. Scott, Fruit Grower, Rockville, Maryland.

ADJOURNMENT

♦ ♦

NOTES

ANNUAL MEETING

Maryland Farm Bureau Federation, Maryland Agricultural Society and Affiliated Farm Organizations
Lord Baltimore Hotel, Baltimore, Maryland
January 10, 11, 1940

APPLE SHOW

Lord Baltimore Hotel, Baltimore
January 10, 11, 1940

Our Advertisers deserve your Business.

Now

"ORTHO"

GIVES YOU A

Balanced Spray Program

• We have prepared special "ORTHO" Spray Calendars for your particular area, showing what to spray, when to spray, and what to spray with. We'll gladly send you a copy. Meanwhile, there's an "ORTHO" Spray for every spraying need, including:

NITRO-KLEENUP Dormant Oil Spray
KLEENUP Oil Sprays
ORTHOL-K Summer Oil Sprays
ORTHO Lead Arsenate
FLOTOX Paste Flotation Sulphur
FLOTOX Dry Wettable Sulphur
COPOSIL Fungicide
BOTANO-N Spray
OTHEX Spreader-Adhesive
ORTHO Spreader

ORTHO
SCIENTIFIC PEST CONTROL
* REG. U. S. PAT. OFF.

—WRITE FOR FREE DESCRIPTIVE FOLDERS—

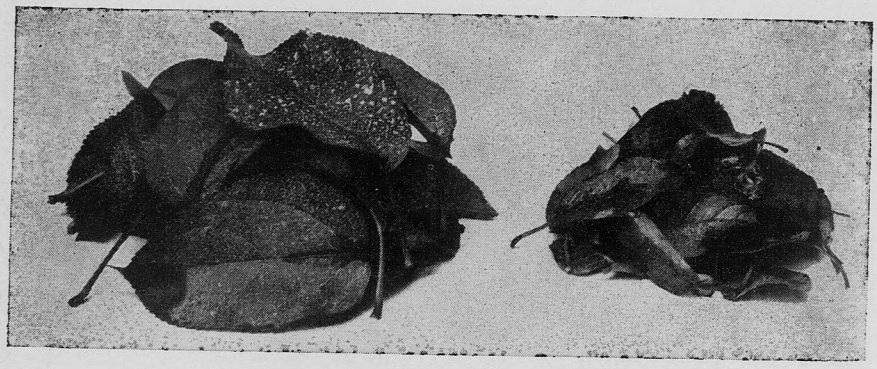
CALIFORNIA SPRAY-CHEMICAL CORPORATION
"The ORTHO Company"
Elizabeth, New Jersey

THE WORLD'S LARGEST MANUFACTURERS OF AGRICULTURAL SPRAYS

Save this Program. Make it your Shopping Guide.

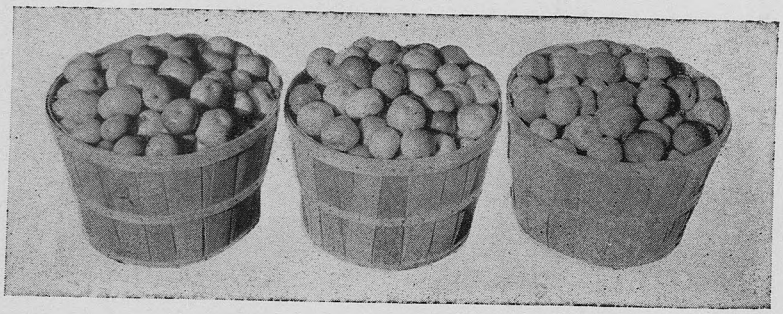
Has Your Harvest Been Profitable?

TREES: Protected with Kolofog and Suspenso Lead Arsenate produce clean and profitable crops.



Kolofog Sprayed Lime Sulphur Sprayed

FOLIAGE: The all important factor for fruit bud development, and essential to next year's crop.



FRUIT: The saleable product of your efforts. Niagara Kolofog and Suspenso Lead Arsenate make clean fruit production possible.

Mention this Program when writing Advertisers.

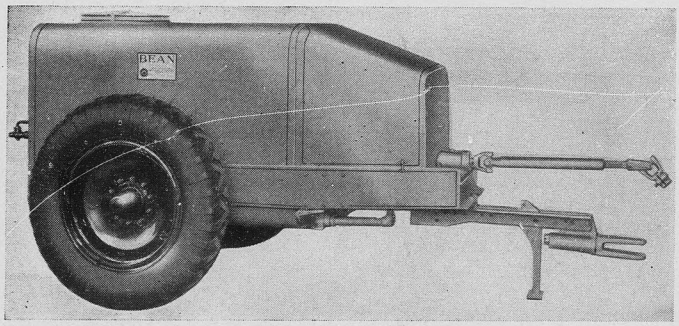
AND . . .

NOW-ANOTHER YEAR OF PROOF

THAT

BEAN SPRAYERS ARE BEST

And Hundreds of Growers Changed to BEAN to Get Better Spraying



ALL STYLES, MODELS AND CAPACITIES

1. PROVEN MODERN PUMP ENGINE AND TANK CONSTRUCTION which provides the utmost in quality, long life, pressure, capacity, and foremost safety mechanical features. Bean is years ahead in all these things, proven by years of use.

2. CONVENIENCES. Narrower tread. No tearing through the trees. Turns shorter and tracks the tractor. Modern, convenient and safe platform and railing equipment. Easy and fast filling and straining equipment, easily cleaned. Pneumatic tires with everlasting roller bearing wheels, with lightest draft. Easy draining and cleaning of pump and tank. Many other features. Ask for Catalog.

See Our Dealer About This 100% Protection at the Least Spraying Cost

WE NEVER SHIRK OUR RESPONSIBILITY TO YOU. PROFIT BY IT.

JOHN BEAN MFG. CO., Lansing, Mich.

KOPPERS

Flotation Sulphur

A Standardized, Pre-Creamed Product

. . . means more bushels per acre for you

because it assures greater leaf area by giving dependable protection without the caustic action.

Its fine particle size and the fact that it contains no wetting agent assures better coverage and adherence.

a KOPPERS product

KOPPERS COMPANY
Tar and Chemical Division
PITTSBURGH, PA.

Your Partners In A Great Profit Plan

ERLY-RED-FRE

AMERICA'S EARLIEST FREESTONE PEACH

Plant Patent No. 320

RIPENING WITH RED BIRD OR NEARLY 8 WEEKS BEFORE ELBERTA. ORIGINATING AT CHASE CITY, VA., VIRGINIA GIVES THE PEACH WORLD ONE OF THE GREATEST PEACHES OF ALL TIME.

A large handsomely colored white freestone peach. Fruit very high quality and carries as well as Elberta after picking. Tree vigorous, very hardy and productive.

Introduced and sold exclusively by Bountiful Ridge Nurseries

FISHER PEACH

LEADS THE PARADE OF YELLOW FREESTONE PEACHES

Plant Patent No. 233

ORIGINATED IN CANADA AS A SPORT OF THE VALIANT, RIPENING 10 DAYS BEFORE THE GOLDEN JUBILEE OR OVER 5 WEEKS BEFORE ELBERTA

Medium to large size, highly colored, beautiful yellow freestone that is as hardy as its parent and just what the grower should plant to precede the Golden Jubilee.

WE HAVE EXCLUSIVE EASTERN U. S. PROPAGATING RIGHTS TO THE FISHER PEACH.

COMBINE THESE WITH BOUNTIFUL RIDGE GROWN SELECTED STRAINS OF—

Golden Jubilee	Hale Haven	Elberta
Fairs Beauty	Valiant	Shippers Late Red
"Colora"	Golden East	Gage Elberta
Vedette	Early Elberta	Lizzie

And Other Varieties We List and You Have the Greatest Array of Money Making Commercial Peaches Ever Offered the Planter.

MODERNIZE YOUR PRODUCING ORCHARDS AS YOU DO YOUR GROWING EQUIPMENT.

We offer you the greatest values in FRUIT TREES and BERRY PLANTS your money can buy.

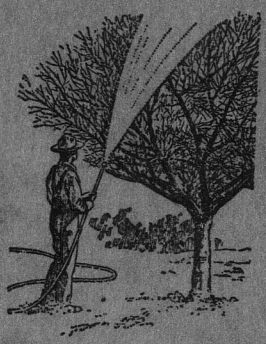
The Best Will Always Cost You Less At

Bountiful Ridge Nurseries

Dept. A99

PRINCESS ANNE, MARYLAND

Recognized Leaders Today in Fruit Tree and Berry Plant Production
Send for Latest Fall Price List Giving Our New Low Prices.



What Is Your

Spraying Problem?

IS IT SCALE? Remember that Scalecide is the most effective and safe scale spray ever devised. But more than this, your Scalecide spray kills red mite, aphis and many over-wintering codling moth larvae. It cleans up cankers, increases the general vigor of the trees, and takes much of the burden off your summer spray schedule.

Scalecide is guaranteed to make a better orchard than lime sulfur or oil emulsion, or your money back, you and your neighbors to be the judges. Scalecide costs more per gallon, but can you figure anything as cheap as this?

IS IT APHIS? No orchardist who used Pratt's Tar Oil Sprays—Tar-o-wash or Straitar—as a dormant spray last season failed to control aphis. Pratt's Tar Oils give proven results, are low in cost, are not as objectionable to use as the old unstable oil emulsions.

As a foliage for aphis, D-X (1 to 800) kills every aphis hit. It is used in the same way and manner as nicotine, at considerable saving in cost.

IS IT CODLING MOTH? D-X combined with arsenate of lead is doing remarkable work in strengthening the ordinary use of arsenate of lead. The D-X contains pyrethrum and rotenone, which is impregnated into the lead, making smaller doses do what heavy applications of lead cannot do.

Add D-X (1 to 600 or 800) to your arsenical codling moth sprays, especially at the peak of the first brood. You will be amazed at the effectiveness of this combination. One Prominent N. Y. Grower writes,—"It is T N T to the codling moth. We never had such results."

Ask our representative at the Show about Scalecide, Tar Oils, and D-X, or write,—

B. G. Pratt Company

Dept. "F"

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